



7-23-04

IFW

Attorney's Docket No. 046361/265059

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re:	Nause, et al.	Confirmation No.: 9988
Appl. No.:	10/602,185	Group Art Unit: 1765
Filed:	June 23, 2003	Examiner:
For:	SEMI-INSULATING BULK ZINC OXIDE SINGLE CRYSTAL	

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97(c)**

Sir:

Attached is a list of documents on form PTO-1449 together with copies of each identified document. It is requested that the Examiner consider these documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP. By submitting the listed documents, Applicant in no way makes any admission as to the prior art status of the listed documents, but is instead submitting the listed documents for the sake of full disclosure.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier. Accordingly, no fee is believed to be necessary with the filing of this paper. However, if a fee is deemed necessary in connection with filing this paper, the Commissioner is authorized to charge any additional fee, or credit any refund, to our Deposit Account No. 16-0605.

Respectfully submitted,

Jon J. Jurgovan  
Registration No. 34,633

In re: Nause, et al.  
Appl. No.: 10/602,185  
Filed: June 23, 2003  
Page 2

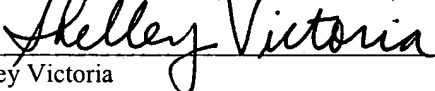
**CUSTOMER NO. 00826**  
**ALSTON & BIRD LLP**  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000  
Tel Atlanta Office (404) 881-7000  
Fax Atlanta Office (404) 881-7777

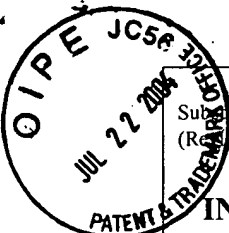
"Express Mail" mailing label number EV 355488382 US

Date of Deposit July 22, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Shelley Victoria



Substitute for form 1449/PTO  
(Revised 04/2003)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	10/602,185
Filing Date	June 23, 2003
First Named Inventor	Nause
Group Art Unit	1765
Examiner Name	
Attorney Docket Number	046361/265059

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document Number Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code - Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	English Language Translation Attached

**OTHER DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	English Language Translation Attached
	1	Y. LIU, C.R. GORLA, S. LIANG, N. EMANETOGLU, Y. LU, H. SHEN, AND M. WRABACK, "Ultraviolet Detectors Based On Epitaxial ZnO Films Grown by MOCVD," Journal of Electronic Materials, Vol. 29, No. 1, 2000, May 11, 1999, pgs. 69-74, Adelphi, Maryland	
	2	M. JOSEPH, H. TABATA, H. SAEKI, K. UEDA, T. KAWAI, "Fabrication of the low-resistive p-type ZnO by codoping method," Physica B 302-303 (2001) pgs. 140-148, Osaka, Japan	
	3	JIN-BOCK LEE, HYE-JUNG LEE, SOO-HYUNG SEO, JIN-SEOK PARK, "Characterization of undoped and Cu-doped ZnO Films for surface acoustic wave applications," Thin Solid Films 398-399 (2001) pgs. 641-646, Ansan, South Korea	
	4	V.A. NIKITENKO, "Luminescence and EPR of Zinc Oxide (Review)," Moscow Institute of Railway Engineers, Moscow, Russia, Vol. 57 Nos. 5-6 ppgs. 367-385, May 18, 1992.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.